



PATENT APPLICATION DECLARATION

(Attorney's Docket No.: ZRAN.014US0)

Each of the Applicants named below hereby declares as follows:

1. My residence, post office address and country of citizenship given below are true and correct.

2. I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought in the patent application entitled "VIRTUAL MULTICHANNEL SPEAKER SYSTEM," Serial No. 09/325,893, filed June 4, 1999, and I have reviewed and understand the contents of the specification, including its claims.

3. I acknowledge my duty to disclose to the Office all information known to me to be material to patentability of this application, in accordance with 37 C.F.R. Section 1.56, which is defined on the attached page.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: July 26, 1999

Michael I. Neidich

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(Citizenship: U.S.A.)

Date: July 26, 1999

Paul R. Goldberg

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Section 1.56 Duty to Disclose Information Material to Patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

- (i) Opposing an argument of unpatentability relied on by the Office, or
- (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application;

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)

Group Art Unit: 2747

MICHAEL I. NEIDICH, PAUL R.)
GOLDBERG and MITCHELL A. GOLNER)

Serial No.: 09/325,893)

Filed: June 4, 1999)

For: VIRTUAL MULTICHANNEL)
SPEAKER SYSTEM)

San Francisco, California

Assistant Commissioner of Patents
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE

Sir:

The undersigned, having received the full right, title and interest in and to the above-identified patent application by way of a written assignment from Applicants, hereby appoints the practitioners of Majestic, Parsons, Siebert & Hsue P.C. who are associated with the Customer Number provided below to prosecute this patent application, to transact all business in the U.S. Patent and Trademark Office connected therewith, to receive the original Letters Patent, and to substitute or associate other attorneys on its behalf. I further direct that all correspondence be addressed to that Customer Number.

Customer No:



020227

PATENT TRADEMARK OFFICE

Assignee: Zoran Corporation

Dated:

July 26, 1999

(Atty. Docket: ZRAN.014US0)

By:

Paul R. Goldberg

Paul R. Goldberg

Title: Vice President of Intellectual Properties



CERTIFICATE UNDER 37 C.F.R. §3.73(b)

Applicants: **MICHAEL I. NEIDICH, PAUL R. GOLDBERG and MITCHELL A. GOLNER**
Serial No.: **09/325,893**
Filed: **June 4, 1999**
For: **VIRTUAL MULTICHANNEL SPEAKER SYSTEM**

Zoran Corporation, a corporation certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

☒ A. An assignment from the inventor(s) of the patent application identified above. A copy of the assignment is attached.

OR

☐ B. A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignment or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Dated: July 26, 1999

Signature: _____

Name: Paul R. Goldberg

Title: Vice President of Intellectual Properties